



CMR Electrical Ltd
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Hadlow Down
East Sussex
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BREEAM Compliant WAT 08 existing buildings, WAT 01 & 04 for new buildings, Automatic PIR based WC Water Shutoff System Type BPIR

The system consists of an infra-red controller and one or more motorised ball valve.
The BPIR is designed to turn off the water flow during non-occupied periods in areas such as changing rooms, WC, or any wet area thereby limiting the risk of water damage or wasted water due to leaks, taps being left on or toilet system overflow.
The system operates by opening a water valve, allowing water to flow into the protected area when a person enters the room and closing the valve when the system senses that the room has been empty for a set period of time.
Valve sizes between 15mm to 32mm can be fitted and up to three valves can be controlled.
Any number sensors can be used to ensure full coverage.

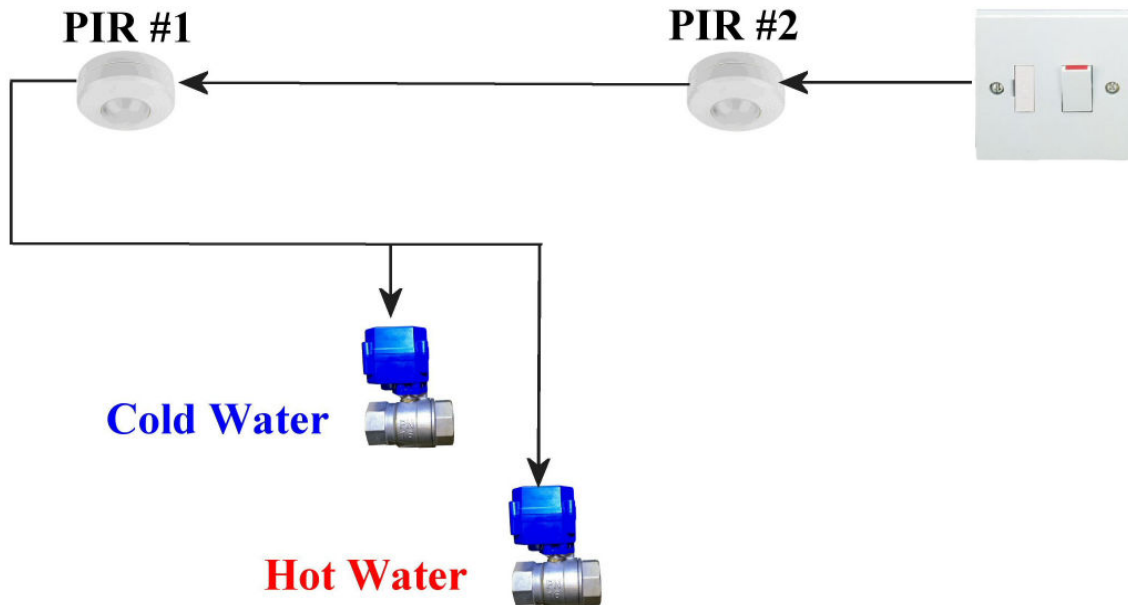


Features

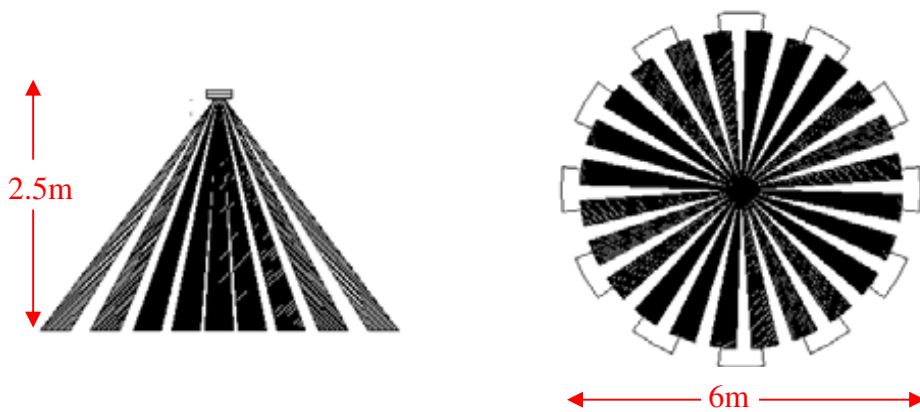
- 💧 230VAC PIR no need for external power supplies or equipment
- 💧 Wall or ceiling PIR sensors are available
- 💧 Non occupancy valve turnoff periods allowable between 5 second and 15 minutes
- 💧 Any number of PIR sensors can be connected together
- 💧 Detection range 6m at a height of 2.5m
- 💧 PIR can also be used to turn of the lighting
- 💧 Efficient Low power shutoff valves
- 💧 Shutoff valves only run warm, some other solenoid valves can reach 95°C
- 💧 Shutoff valves can be fitted to the pipe in any direction or orientation.
- 💧 Zero flow or water pressure loss, suitable for power showers



Connection Detail



Coverage per PIR Sensor



Specification

Mounting	Ceiling and wall
Size	105mm diameter x 50mm
Colour	White
Input power	50 Hz single phase 230VAC +/- 10%
Detection Range	Up to 6, diameter at 2.5m mounting height
Power termination	L, E & N terminal block
Available Water shutoff Valve sizes	1/2", 3/4", 1", 1 1/4" & 1 1/2"
Water valve voltage	230VAC normally closed powered open.
Minimum / Maximum valve water pressure	1/2", 3/4", 1" = 0 bar- 20 bar , 1 1/4" & 1 1/2" = 16 bar
Water flow and pressure loss through water valve	None
Delay period to water shutoff	5 second to 15 minutes
IP Rating	IP 44